

Activity Summary

DOT&E activity for FY07 involved oversight of 288 programs, including 43 major automated information systems. Oversight activity begins with the early acquisition milestones, continues through approval for full-rate production and, in some instances, during full production until deleted from the DOT&E oversight list.

Our review of test planning activities for FY07 included approval of 61 Test and Evaluation Master Plans (TEMPs) / Test and Evaluation Strategies, as well as 66 Operational Test

Plans. Live Fire Test and Evaluation (LFT&E) activity included the approval of one LFT&E Strategy for inclusion in the TEMP. In FY07, DOT&E prepared 12 reports for the Secretary of Defense and Congress that included eight Beyond Low-Rate Initial Production Reports, three Early Fielding Reports, and one assessment on the Ballistic Missile Defense System (BMDS).

DOT&E also prepared and submitted numerous reports to the Defense Acquisition Board (DAB) principals for consideration in DAB deliberations.

TEST AND EVALUATION MASTER PLANS / STRATEGIES APPROVED

Acoustic Rapid Commercial Off-the Shelf (COTS) Insertion (A-RCI) – Revision A

Airborne and Maritime/Fixed Station (AMF) Joint Tactical Radio (JTRS)

ALQ-99 Low-Band Transmitter – Revision A

AN/WLD-1(V)1 Remote Mine-hunting System Program

Anti-Air Warfare Ship Self Defense Test and Evaluation Enterprise Strategy

B-2 Extremely High Frequency Satellite Communications and Computer Upgrade

Ballistic Missile Defense System (BMDS) Integrated Master Test Plan (IMTP)

Business Systems Modernization Energy

CH-47F Improved Cargo Helicopter – Revision D

Command Post of the Future Maneuver Control System

Commissary Advanced Resale Transaction System (CARTS)

Common Submarine Radio Room – Revision 2

Deployable Joint Command and Control – Version 4.0

DoD Key Management Infrastructure – Version 1.5.4

EA-18G Airborne Electronic Attack Aircraft – Revision B

Excalibur (XM982) Ia-2 Milestone C and Low-Rate Initial Production

F/A-18 Advanced Targeting and Designating Forward Looking Infrared System – Revision A

F/A-18E/F – Revision E

Family of Medium Tactical Vehicles Long Term Armor Strategy

Family of Medium Tactical Vehicles – Revision 3B

Future Nuclear Carrier (CVN 21) – Revision B

Global Broadcast Services (GBS)

Global Combat Support System – Marine Corps / Logistics Chain Management Block 1 – Version 4.0.7.15

Global Combat Support System for Combatant Command / Joint Task Force (GCCS-CC/JTF) – Version 6.0

Global Command and Control System

Guided Multiple Launch Rocket System – Unitary

Heavy Expanded Mobility Tactical Truck (HEMITT) A4 Long Term Armor Strategy (LTAS)

High Performance Computer Modernization Program (HPCMP)

Integrated Strategic Planning and Analysis Network (ISPAN)

Joint Biological Agent Identification and Diagnostic System (JBAIDS)

Joint Cargo Aircraft – Version 2

Joint Chemical Agent Detector (JCAD) – Increment I

Joint Mission Planning System – Maritime

Joint Warning and Reporting Network Block II

KC-130T Hercules Defensive Electronic Countermeasures

Large Aircraft Infrared Countermeasures (LAIRCM) – Revision (Change Pages)

Light Utility Helicopter (LUH)

LPD 17 – Revision C (Change Pages)

MH-60S Multi-Mission Combat Support Helicopter – Revision A

Mine Resistant Ambush Protected Vehicle Program

Mission Planning System (MPS) for F-15 – Version 1.2 Initial Operational Test

Mission Planning Systems

Mk 48 Torpedo Advanced Capability (ADCAP) – Revision 10

Mobile User Objective System

Multi-functional Information Distribution System – Low Volume Terminal Shipboard Integrated – Revision B

Multi-mission Maritime Aircraft – Revision A

DOT&E ACTIVITY AND OVERSIGHT

TEST AND EVALUATION MASTER PLANS / STRATEGIES APPROVED

Navy Enterprise Resource Planning	Teleport
Navy Enterprise Resource Planning – Version 3	Transformational Satellite Communications System (TSAT) – Version 5.0
Net-Centric Enterprise Services – Version 1.1	Transformational Satellite System (TSAT)
Ohio Class SSGN Conversion Program – Revision A, Change 1	UH-60M Upgrade
Ship Self Defense System (SSDS) MK 2 Mod 2 Program – Revision A, Change 1	V-22 Osprey
Small Diameter Bomb Increment I	Vertical Takeoff and Landing Tactical Unmanned Aerial Vehicle (VTUAV)
Space-Based Infrared System (SBIRS)	Virginia (SSN 774) Class Submarine – Revision E
Space-Based Infrared System (SBIRS) Annex	

OPERATIONAL TEST PLANS APPROVED

Acoustic Rapid Commercial Off-the-Shelf (COTS) Insertion (A-RCI)	Deployable Joint Command and Control (DJC2) System Rapid Response Kit (RRK)
Advanced Processor Build (APB) Operational Test (OT)-IIIE/F	EA-18G Airborne Electronic Attack Aircraft (OT-B1)
Acoustic Rapid Commercial Off-the-Shelf (COTS) Insertion (A-RCI) OT-IIIE/F Change 1	EA-18G Airborne Electronic Attack Aircraft OT&E Framework
Acoustic Rapid Commercial Off-the-Shelf (COTS) Insertion (A-RCI) Sonar System Phase III and IV	F/A-18A + C/D/E/F System Configuration Set 20X Integrated Test Plan
Acoustic Rapid Commercial Off-the-Shelf (COTS) Insertion (A-RCI) Test Plan	F-22A Increment 2 Operational Flight Program Follow-on Operational Test and Evaluation (FOT&E) Plan
AGM-154C Joint Standoff Weapon Unitary Variant (JSOW-C) Block II System OT-IIIA	F-22A Lot 5 Operational Utility Evaluation (OUE) Test Plan
ALQ-99 Low-Band Transmitter OT-IIC	F-35 Joint Strike Fighter OA (OT-IIC)
AN/WLD-1(V)1 Remote Mine-hunting System Program OT-IIC	Family of Medium Tactical Vehicles (SMTV) A1P2 and Heavy Expanded-Mobility Tactical Truck A4 Long-Term Armor Strategy Event Design Plan
Armed Forces Health Longitudinal Technology Application Block 2 (Dental) Event Design Plan	Global Broadcast System (GBS) Space System (TP 07-006) Multi-Service Operational Test and Evaluation (MOT&E)-2
Baseline IV Tactical Tomahawk Weapon System (OT-IIID)	Global Combat Support System – Joint (GCCS-J) Version 4.1 Joint Planning and Execution System (JOPES) Strategic Server Enclave (SSE)
Baseline IV Tactical Tomahawk Weapon System (OT-IIID) Change 1	Global Combat Support System for Combatant Command / Joint Task Force (GCCS-CC/JTF) Version 6.0
Business Systems Modernization Energy Operational Assessment (OA) Plan	Global Combat Support System for Combatant Command / Joint Task Force (GCCS-CC/JTF) Version 6.1
C-17 Combat Lightning Force Development Test Plan	Global Command and Control System Joint Global Version 4.1 Operational Assessment Plan
C-17 Traffic Collision Avoidance System (TCAS) Overlay	Global Positioning System (GPS) Architecture Evolution Plan (AEP) OUE Plan
C-5 Reliability Enhancement and Re-Engining Program (RERP) OA-2	Global Positioning System (GPS) Architecture Evolution Plan (AEP) OUE Plan AFOTEC TP-05-032
CH-47F Improved Cargo Helicopter Phase II Test Plan	Integrated Strategic Planning and Analysis Network (ISPAN) OA Plan
Combat Information Transport System Second Generation Wireless Local Area Network	Joint Biological Agent Identification Diagnostic System FOT&E Plan
Commissary Advanced Resale Transaction System (CARTS) IOT&E	Joint Biological Point Detection System (JBPDS) MOT&E Phase VI Plan
Common Submarine Radio Room (CSRR) OT-C-2	
Common Submarine Radio Room (CSRR) OT-C-3	
Continuous Evaluation of the Defense Travel System Reservation Refresh Software Release	
CV-22 Osprey OT-IIIC	

DOT&E ACTIVITY AND OVERSIGHT

Joint Biological Standoff Detection System (JBSDS) Increment 1 MOT&E

Joint Chemical Agent Detector Increment 1 EDP Production Qualification Test (Interferents With and Without)

Joint Mission Planning System – Maritime Program IOT&E OT-IIA-AV8B MPE 2.0

Joint Warning and Reporting System (JWARN) OA 2

KC-130T Hercules Defensive Electronic Countermeasures (DECM) Suite FOT&E

Landing Platform Dock (LPD 17) OT-IIC Phase 1 Test Plan

Light Utility Helicopter (LUH)

MH-60S Block 3A Armed Helicopter Weapon System OT-IIH

Mine Resistant Ambush Protected Vehicle Program

Miniature Air Launched Decoy Test Plan

Mk 48 Advanced Capability Torpedo OT-IIH

Multi-functional Information Distribution System - Low Volume Terminal Shipboard Integration

Navy Enterprise Resource Planning IOT&E OT-B1 Plan

Ohio Class SSGN Conversion Program

Public Key Infrastructure (PKI) Program OA

Ship Self Defense System (SSDS) MK 2 Mod 2 Program FOT&E (OT-IIID Phase I)

Ship Self Defense System (SSDS) Mk 2 Mod IA/3A Program OT-IIID Phase 2

Ship Self Defense System (SSDS) Mk2 Mod 2 Program FOT&E

Small Diameter Bomb Increment I (SDB I) Data Collection Plan

Spider Network Command Munition IOT&E

Stryker Mobile Gun System (MGS)

Suite of Integrated Radio Frequency Countermeasures AN/ALQ-211(V) IOT&E

Theater Battle Management Core Systems (TBMCS) Unit Level (UL)

Operations Spiral 9.1 Force Development Evaluation (FDE) Plan

Theater Battle Management Core Systems (TBMCS) Combined Test 1.1.3 Service Pack 7

Transportation Coordinator Automated Information Movement System II Block 3

UH-60M Blackhawk IOT&E

U.S. Air Force Warfare Center F-22A Mission Load Data Optimization Test Plan

LIVE FIRE TEST AND EVALUATION STRATEGIES AND TEST PLANS

Joint Cargo Aircraft Alternative Live Fire Strategy

REPORTS TO CONGRESS FOR FY07

Program	Report Type	Date
Small Diameter Bomb	Combined OT / LFT Report	October 2006
Global Broadcast Service (GBS) System	OT Report	December 2006
Small Unmanned Aerial System (SUAS)	OT Report	December 2006
FY06 Assessment of the Ballistic Missile Defense System (BMDS)	Annual Report	February 2007
APG-79 Active Electronically Scanned Array (AESA) Radar System	OT Report	April 2007
Land Warrior System	Early Fielding Report	April 2007
UH-60M Blackhawk Helicopter Upgrade	Combined OT / LFT Report	May 2007
CH-47F Block II Cargo Helicopter	Combined OT / LFT Report	June 2007
Common Submarine Radio Room (CSRR)	OT Report	June 2007
Stryker Mobile Gun System (MGS)	Early Fielding Report	June 2007
Common Broadband Advanced Sonar System (CBASS) Torpedo	Early Fielding Report	June 2007
UH-72A Lakota Light Utility Helicopter (LUH)	OT Report	July 2007

DOT&E ACTIVITY AND OVERSIGHT

During FY07, DOT&E met with Service operational test agencies, program officials, private sector organizations, and academia; monitored test activities; and provided information to the DAB committees as well as the DAB principals, the Secretary and Deputy Secretary of Defense, the Under Secretary of Defense (Acquisition, Technology and Logistics), the Service Secretaries, and Congress. Active on-site participation in, and observation of, tests and test related activities remain the most effective tools.

In addition to on-site participation and local travel within the national capital region, approximately 547 trips supported the DOT&E mission.

Security considerations preclude identifying classified programs in this report. The objective, however, is to ensure operational effectiveness and suitability do not suffer due to extraordinary security constraints imposed on those programs.

Program Oversight

DOT&E is responsible for approving the adequacy of plans for operational test and evaluation and for reporting the operational test results for all major defense acquisition programs to the Secretary of Defense, Under Secretary of Defense (Acquisition, Technology and Logistics), Service Secretaries, and Congress. For DOT&E oversight purposes, major defense acquisition programs were defined in the law to mean those programs meeting the criteria for reporting under section 2430, Title 10, United States Code (Selected Acquisition Reports (SARs)). The law (sec.139(a)(2)(B)) also stipulates that DOT&E may designate any other programs for the purpose of oversight, review, and reporting. With the addition of such “non-major” programs, DOT&E was responsible for oversight of a total of 288 acquisition programs during FY07.

Non-major programs are selected for DOT&E oversight after careful consideration of the relative importance of the individual program. In determining non-SAR systems for oversight, consideration is given to one or more of the following essential elements:

- Congress or OSD agencies have expressed a high level of interest in the program.
- Congress has directed that DOT&E assess or report on the program as a condition for progress or production.
- The program requires joint or multi-Service testing (the law (sec. 139(b)(4)) requires DOT&E to coordinate “testing conducted jointly by more than one military department or defense agency”).
- The program exceeds or has the potential to exceed the dollar threshold definition of a major program according to DoD 5000.1, but does not appear on the current SAR list (e.g., highly classified systems).

- The program has a close relationship to or is a key component of a major program.
- The program is an existing system undergoing major modification.
- The program was previously a SAR program and operational testing is not yet complete.

This office is also responsible for the oversight of LFT&E programs, in accordance with 10 USC 139. DoD regulation uses the term “covered system” to include all categories of systems or programs identified in 10 USC 2366 as requiring live fire test and evaluation. In addition, systems or programs that do not have acquisition points referenced in 10 USC 2366, but otherwise meet the statutory criteria, are considered “covered systems” for the purpose of DOT&E oversight.

A covered system, for the purpose of oversight for LFT&E, has been determined by DOT&E to meet one or more of the following criteria:

- A major system, within the meaning of that term in 10 USC 2302(5), that is:
 - User-occupied and designed to provide some degree of protection to the system or its occupants in combat
 - A conventional munitions program or missile program
- A conventional munitions program for which more than 1,000,000 rounds are planned to be acquired
- A modification to a covered system that is likely to affect significantly the survivability or lethality of such a system

DOT&E was responsible for the oversight of 108 LFT&E acquisition programs during FY07.

PROGRAMS UNDER DOT&E OVERSIGHT CALENDAR YEAR 2007 (As taken from the April 2007 Official T&E Oversight List)

ARMY PROGRAMS

Abrams Tank Upgrade (M1/M2)

Advanced Threat Infrared Countermeasures / Common Missile Warning System (ATIRCM/CMWS)

Aerial Common Sensor (ACS)

Apache Block III (AB3)

Armed Reconnaissance Helicopter (ARH) Program

Army Integrated Air and Missile Defense (AIAMD)

Biometrics

Black Hawk Upgrades (UH-60M) – Utility Helicopter Upgrades

Bradley Upgrade – M2/M3 Fighting Vehicle Systems

CH-47F – Cargo Helicopter

Distributed Common Ground System – Army (DCGS-A)

Excalibur (Family of Precision, 155 mm Projectiles)

Extended Range / Multi-purpose Unmanned Aircraft System (ER/MP UAS) including Hellfire Missile upgrade

Family of Medium Tactical Vehicles (FMTV) (including armor modifications)

Force XXI Battle Command Brigade and Below (FBCB2) Program

Future Combat System (FCS) and all associated systems (and active protective systems), including:

- Armed Robotic Vehicle (ARV) Assault (ASLT)
- Armed Robotic Vehicle (ARV) Assault Light (ASLT(L))
- Armed Robotic Vehicle (ARV) Reconnaissance and Surveillance Target and Acquisition (RSTA)
- Command and Control Vehicle (C2V)
- FCS Recovery Maintenance Vehicle (FRMV)
- Infantry Carrier Vehicle (ICV)
- Medical Vehicle (MV) (Treatment and Evacuation Variant)
- Mid-Range Munitions (MRM)
- Mk 44 Cannon 30 mm Ammunition
- Mounted Combat System (MCS)
- Multifunction Utility / Logistics and Equipment Vehicle (MULE) Transport
- Multifunction Utility / Logistics and Equipment Vehicle (MULE) Countermine
- Network Battle Command
- Recon and Surveillance Vehicle (R&SV)
- Small Manpackable Unmanned Ground Vehicle (SUGV)
- UAV Class I
- UAV Class II
- UAV Class III
- UAV Class IV (Fire Scout)

- Unattended Ground Sensors (UGS) (Tactical and Urban UGS)
- Non-Line-of-Sight Cannon (NLOS-C)
- Non-Line-of-Sight Mortar (NLOS-M)
- Non-Line-of-Sight Launch System (NLOS-LS)

Global Combat Support System – Army (GCSS-A)

Global Command and Control System – Army (GCCS-A)

Ground Soldier System

Guided Multiple Launch Rocket System (GMLRS) – Dual Purpose Improved Conventional Munitions (DPICM)

Guided Multiple Launch Rocket System (GMLRS) – Unitary

High Capacity Communications Capability (HC3)

High Mobility Artillery Rocket System (HIMARS) including HIMARS Armored Cab

High Mobility Multi-purpose Wheeled Vehicle (HMMWV) Armor

Intelligent Munitions System (IMS)

Javelin Antitank Missile System – Medium

Joint Air-to-Ground Missile System (JAGM) (replaces Joint Common Missile)

Joint Heavy Lift Program

Joint Land Attack Cruise Missile Defense Elevated Netted Sensors (JLENS)

Joint Mission Planning System (JMPS)

Joint Network Transport Capability-Spiral (JNTC-S) / Joint Network Node (JNN)

Land Warrior – Integrated Soldier Fighting System for Infantrymen

Light Utility Helicopter (LUH)

Long Term Armoring Strategy (LTAS) including:

- Fuel Tankers
- Heavy Equipment Transporter (HET)
- Heavy Expanded Mobility Tactical Truck (HEMTT)
- M915A3 Family of Vehicles
- M939 General Purpose Truck
- Palletized Loading System (PLS)

Maneuver Control System (MCS) / Joint Tactical Common Operational Picture (COP) Workstation (JTCW)

Mark XIIA Identification Friend or Foe (IFF) Mode 5

One – Tactical Engagement Simulation System (One-TESS)

Patriot / Medium Extended Air Defense System Combined Aggregate Program (PATRIOT/MEADS CAP)

DOT&E ACTIVITY AND OVERSIGHT

ARMY PROGRAMS (continued)

Patriot Advanced Capability 3 (PAC-3) Missile

Precision Guided Mortar Munitions (PGMM)

Shadow Unmanned Aircraft System (Shadow UAS)

Small Unmanned Aircraft System (Raven UAS)

Spider XM7 Network Command Munition (formerly Anti-Personnel Landmine Alternative (APLA)/Spider)

Stryker – Armored Vehicle and all associated systems (and active protective systems), including:

- Stryker – Anti-Tank Guided Missile Vehicle
- Stryker – Commander's Vehicle
- Stryker – Engineer Squad Vehicle
- Stryker – Fire Support Vehicle
- Stryker – Infantry Carrier Vehicle

- Stryker – Medical Evacuation Vehicle
- Stryker – Mortar Carrier
- Stryker – Reconnaissance Vehicle
- Stryker – Mobile Gun System
- Stryker – Nuclear, Biological, and Chemical (NBC) Reconnaissance Vehicle

Surface-Launched Advanced Medium-Range Air-to-Air Missile (SLAMRAAM)

Transportation Coordinators' Automated Information for Movements System II (TC-AIMS II)

Warfighter Information Network – Tactical (WIN-T)

XM307 25 mm Close Combat Armament System

XM1022 Long-Range Sniper Ammunition

NAVY PROGRAMS

21" Mission Reconfigurable Unmanned Undersea Vehicle (21" MRUUV)

Acoustic Rapid Commercial Off-the-Shelf (COTS) Insertion for SONAR

Active Electronically Scanned Array (AESA)

Advanced SEAL Delivery System (ASDS)

AGM-88E Advanced Anti-Radiation Guided Missile (AARGM) Program

AIM-9X – Air-to-Air Missile Upgrade including AIM-9X P3I

Airborne Mine Neutralization System (AMNS)

Airborne Resupply / Logistics for SeaBasing (AR/LSB)

Aegis Cruiser Conversion Program

AN/AAR-47 V2 Upgrade Missile / Laser Warning Receiver

AN/APR-39 Radar Warning Receiver

AN/WQR-3 Advanced Deployable System (ADS)

AN/WSQ-11 Countermeasure Anti-Torpedo

Assault Directed Infrared Countermeasures (DIRCM)

Broad Area Maritime Surveillance (BAMS)

BYG-1 Fire Control (Weapon Control and Target Motion Analysis)

CG(X) – Next Generation Cruiser

CH-53K Heavy Lift Replacement (HLR) Program

Close-In Weapon System (CIWS) including SeaRAM

Cobra Judy Replacement (CJR) – Ship-based Radar system

Common Link Integration Processor (CLIP)

Consolidated Afloat Network and Enterprise Service (CANES)

Cooperative Engagement Capability (CEC) (including P3I effort)

CVN 21 – Next Generation Nuclear Aircraft Carrier

DDG 51 Guided Missile Destroyer

DDG-1000 *Zumwalt* Class Destroyer (formerly DD(X) Future Surface Combatant) including Long-Range Land Attack Projectile

Deployable Joint Command and Control (DJC2)

Digital Modular Radio (DMR)

Distributed Common Ground System – Marine Corps (DCGS-MC)

Distributed Common Ground System – Navy (DCGS-N)

E-2D Advanced Hawkeye (AHE) / E-2C Radar Modernization Program (RMP)

EA-6B Improved Capabilities (ICAP) III and Multiple Upgrades (Low Band Transmitter, Band 7-8 Transmitter, USQ-113 Communications Jammer)

EA-18G Airborne Electronic Attack (AEA) variant of F/A-18

Evolved Sea Sparrow Missile (ESSM)

Expeditionary Fighting Vehicle (EFV)

Extended Range Munition (ERM)

F/A-18 E/F Hornet Naval Strike Fighter (All Upgrades)

Global Combat Support System – Marine Corps (GCSS-MC)

Global Command and Control System – Maritime (GCCS-M)

H-1 Upgrades (4BW/4BN) – Marine Corps Upgrade to AH-1W Attack Helicopter and UH-1N Utility Helicopter

Integrated Defensive Electronic Countermeasure (IDECM)

Joint High Speed Vessel (JHSV)

Joint Mission Planning System – Maritime (JMPS-M)

Joint Primary Aircraft Training System (JPATS)

Joint Standoff Weapon (JSOW) Baseline Variant and Unitary Warhead Variant

NAVY PROGRAMS (continued)

KC-130J Aircraft	Rolling Airframe Missile (RAM) including RAM Block 1A Helo-Air-Surface (HAS) and RAM Block 2 Programs
LHA Replacement – New Amphibious Assault Ship	Ship Self Defense System (SSDS)
LHD 8 Amphibious Assault Ship	Ship to Shore Connector – Joint Assured Maritime Access (Planned replacement for Landing Craft Air Cushion and Landing Craft Utility)
Littoral Combat Ship (LCS) (includes 57 mm ammunition and Non-Line-of-Sight Launch System (NLOS-LS))	SSGN <i>Ohio</i> Class Conversion
Logistics Vehicle System Replacement	SSN 774 <i>Virginia</i> Class Submarine
LPD 17 Amphibious Transport Dock (Includes 30 mm ammunition)	Standard Missile 2 (SM-2) Block IIIB
Maritime Prepositioning Force (Future) (MPF (F))	Standard Missile 6 (SM-6)
Mark XIIA Identification Friend or Foe (IFF) Mode 5	Submarine External Communications System (SubECS) / Common Submarine Radio Room (CSRR)
MH-60R Multi-Mission Helicopter Upgrade	Surface Electronic Warfare Improvement Program (SEWIP)
MH-60S Fleet Combat Helicopter	T-AKE <i>Lewis & Clark</i> Class of Auxiliary Dry Cargo Ships
Mk 48 Torpedo Mods	Tactical Tomahawk Weapon System (TTWS) (including Tactical Tomahawk All Up Round (AUR), Tactical Tomahawk Weapons Control System (TTWCS), and Tomahawk Command and Control System (TCCS))
Naval Integrated Fire Control – Counter Air (NIFC-CA)	Trident II Missile
Navy Advanced Extremely High Frequency (EHF) Multi-Band Terminal (NMT)	V-22 Osprey Joint Advanced Vertical Lift Aircraft
Navy Enterprise Resource Planning (ERP) (includes Navy Enterprise Maintenance Automated Information System (NEMAIS))	Vertical Take-Off Unmanned Aircraft System (VTUAS) (also called Fire Scout) include Tactical Control System (TCS)
Navy Unmanned Combat Air System (NAVY UCAS) (Previously called J-UCAS)	VH-71 Presidential Helicopter Fleet Replacement Program
P-8A Multi-Mission Maritime Aircraft (MMA)	
Rapid Airborne Mine Clearance System (RAMICS)	
Remote Mine-hunting System (RMS)	

AIR FORCE PROGRAMS

20 mm PGU-28/B Replacement Combat Round	C-5 Avionics Modernization Program (AMP)
Advanced Extremely High Frequency Program (AEHF)	C-5 Reliability Enhancement and Re-engining Program (RERP)
Advanced Medium-Range Air-to-Air Missile (AMRAAM)	C-17A – Globemaster III Advance Cargo Aircraft
Air Operations Center – Weapons System (AOC-WS)	C-130 Avionics Modernization Program (C-130 AMP)
Airborne Signals Intelligence Payload (ASIP)	C-130J Hercules Cargo Aircraft
Airborne Warning and Control System (E-3 AWACS) Upgrades, including Block 40/45, Identification Friend or Foe (IFF) Mode 5, and Integrated Architectural Behavioral Model Integration	Combat Information Transport System (CITS)
ALR-56M Radar Warning Receiver	Combat Search and Rescue Replacement Vehicle (CSAR-X) (formerly Personnel Recovery Vehicle (PRV))
ALR-69A Radar Warning Receiver	Combat Survivor Evader Locator (CSEL) and the PRC family of handheld survivor radios
B-2 SPIRIT Advanced Extremely High Frequency Satellite Communications Capability (B-2 EHF)	Combatant Commanders Integrated Command and Control System (CCIC2S)
B-2 Radar Modernization Program (B-2 RMP)	Deliberate and Crisis Action Planning and Execution Segments (DCAPES)
Battle Control System – Fixed (BCS-F)	Distributed Common Ground System – Air Force (DCGS-AF) Block 10
Battle Control System – Mobile (BCS-M) (formerly the Tactical Air Control System (TACS))	Distributed Common Ground System – Air Force (DCGS-AF) Increment II

AIR FORCE PROGRAMS (continued)

E-8 Joint Surveillance Target Attack Radar System (JSTARS) (including Affordable Moving Surface Target (AMST) Engagement)	Mark XIIA Identification Friend or Foe (IFF) Mode 5
Enhanced Polar System (EPS)	MILSTAR – Satellite Low/Med Data Rate Communications
Evolved Expendable Launch Vehicle (EELV)	Miniature Air Launched Decoy (MALD), including MALD – Jammer (MALD-J)
Expeditionary Combat Support System (ECSS)	Minuteman III GRP – Guidance Replacement Program
F-15 Mark XIIA Integration	Minuteman III PRP – Propulsion Replacement Program
F-15E Radar Modernization Program	Mission Planning System (MPS) including the Joint Mission Planning System (JMPS)
F-22A – Advanced Tactical Fighter	Mobile User Objective System (MUOS)
F-35 Joint Strike Fighter (JSF)	Multi-Platform Radar Technology Insertion Program (MP RTIP)
Family of Advanced Beyond Line-of-Sight Terminals (FAB-T)	National Airspace System (NAS)
Full-Scale Aerial Target	National Polar-Orbiting Operational Environment Satellite System (NPOESS)
Global Broadcast Service (GBS)	NAVSTAR Global Positioning System (GPS)
Global Combat Support System – Air Force (GCSS-AF)	Navy Extremely High Frequency (NESP) Satellite Communications (SATCOM) Program
Global Command and Control System – Air Force (GCCS-AF)	Next Generation Long-Range Strike (NGLRS)
Global Command and Control System – Air Force (Infrastructure) (GCCS-AF(I))	Reaper MQ 9 Hunter Killer Unmanned Aircraft System (UAS) (formerly called Predator)
Global Hawk High Altitude Endurance Unmanned Aircraft System	Small Diameter Bomb Increment I (SDB I)
Global Positioning System III (GPS III)	Small Diameter Bomb Increment II (SDB II)
HC/MC-130 Recapitalization Program	Space-Based Infrared System Program, High Component (SBIRS HIGH)
Integrated Strategic Planning and Analysis Network (ISPAN)	Space-Based Space Surveillance (SBSS)
Joint Air-to-Surface Standoff Missile (JASSM) and JASSM Extended Range (ER) (including Electronic Safe and Fire Fuze (ESAF))	Space Radar (SR)
Joint Direct Attack Munition (JDAM)	Theater Battle Management Core System (TBMCS)
Joint Precision Approach and Landing System (JPALS)	Transformational Satellite Communications (SATCOM) System (TSAT)
Joint Primary Aircraft Training System (JPATS)	Ultra High Frequency (UHF) Follow-on Satellite
KC-X Tanker Replacement Program	Wideband Global Satellite Communications (SATCOM)
Land-Based Strategic Deterrent (LBSD)	
Large Aircraft Infrared Countermeasures (LAIRCM)	

OTHER DoD PROGRAMS

Ballistic Missile Defense System Program (BMDS)	Armed Forces Health Longitudinal Technology Application (AHLTA) (formerly Composite Health Care System II)
<ul style="list-style-type: none"> Aegis Ballistic Missile Defense (BMD) and SM-3 all Blocks Command, Control, Battle Management, and Communications (C2BMC) Ground-Based Midcourse Defense Segment Kinetic Energy Interceptor (KEI) Multiple Kill Vehicle (MKV) Space Tracking and Surveillance System (STSS) Terminal High-Altitude Area Defense (THAAD) YAL-1 Airborne Laser (ABL) 	Ballistic Missile Technical Collection (BMTC)
	Business Systems Modernization (BSM)
	Chemical Demilitarization Program – Assembled Chemical Weapons Alternatives (CHEM DEMIL-ACWA)
	Chemical Demilitarization Program – Chemical Materials Agency (CHEM DEMIL-CMA)

OTHER DoD PROGRAMS (continued)

Chemical Demilitarization Program – Chemical Materials Agency Newport (CHEM DEMIL-CMA NEWPORT)	Joint Service Lightweight NBC Reconnaissance System (JSLNBCRS)
Commissary Advanced Resale Transaction System (CARTS)	Joint Service Lightweight Standoff Chemical Agent Detector (JSLSCAD)
Defense Enterprise Accounting and Management System (DEAMS)	Joint Tactical Radio System (JTRS) Airborne / Maritime / Fixed Station (AMF)
Defense Integrated Military Human Resources System (Personnel and Pay) Program (DIMHRS)	Joint Tactical Radio System (JTRS) Ground Mobile Radios (GMR)
Defense Travel System (DTS)	Joint Tactical Radio System (JTRS) Handheld and Manpack Radio and Small Form Radio (HMS)
Global Combat Support System Combatant Commander / Joint Task Force (GCSS (CC/JTF))	Joint Tactical Radio System (JTRS) Network Enterprise Services (formerly JTRS Waveform)
Global Command and Control System – Joint (GCCS-J)	Joint Warning and Reporting Network (JWARN)
Global Electromagnetic Spectrum Information System (GEMSIS)	Key Management Infrastructure (KMI)
General Fund Enterprise Business System (GFEBS)	Mine Resistant Ambush Protected Family of Vehicles (MRAP)
Integrated Air and Missile Defense (IAMD) Roadmap programs	Multi-Functional Information Distribution System (MIDS) (Includes Low Volume Terminal and Joint Tactical Radio System)
Integrated Data Environment / Global Transportation Network 21 (Convergence)	Multi-National Information Sharing (MNIS)
Internet Protocol version 6 (IPv6)	Net-Centric Enterprise Services (NCES)
Joint Battle Management Command and Control (JBMC2) Joint Test and Assessment	Net-Enabled Command Capability (NECC) (formerly Joint Command and Control (JC2))
Joint Biological Agent Identification and Diagnosis System (JBAIDS)	Public Key Infrastructure (PKI)
Joint Biological Point Detection System (JBPDS)	Single Integrated Air Picture (SIAP)
Joint Biological Stand-Off Detection System (JBSDS)	Suite of Integrated Radio Frequency Countermeasures (SIRFC) (AN/ALQ-211)
Joint Cargo Aircraft (JCA)	Teleport Generation I/II (Teleport)
Joint Chemical Agent Detector (JCAD)	Theater Medical Information Program (TMIP)
Joint Lightweight Tactical Vehicle (JLTV)	